

### Amendments to the Claims

*Please cancel pending claims 1-8, 10, 11, 45, and 47.*

*Please insert new claims 58-74.*

1. - 57. (Canceled)

58. (NEW) An isolated polynucleotide, comprising nucleotides 195-1487 of SEQ ID NO:7.

59. (NEW) An isolated polynucleotide, comprising nucleotides 186-1487 of SEQ ID NO:7.

60. (NEW) An isolated polynucleotide, comprising nucleotides 132-1487 of SEQ ID NO:7.

61. (NEW) An isolated polynucleotide that encodes a polypeptide comprising amino acids 22-452 of SEQ ID NO:8

62. (NEW) An isolated polynucleotide that encodes a polypeptide comprising amino acids 18-452 of SEQ ID NO:8.

63. (NEW) An isolated polynucleotide that encodes a polypeptide comprising amino acids 1-452 of SEQ ID NO:8.

64. (NEW) An isolated polynucleotide that encodes a polypeptide comprising amino acids 22-452 of SEQ ID NO:8, wherein the polypeptide has an amino- or carboxy-terminus truncation such that the polypeptide retains the capacity to bind Bone Morphogenetic Protein-4 (BMP-4).

65. (NEW) A vector comprising the isolated polynucleotide of any of Claims 58-60.

66. (NEW) A host cell comprising the vector of Claim 65.
67. (NEW) The host cell of Claim 66 that is a eukaryotic cell.
68. (NEW) The host cell of Claim 66 that is a prokaryotic cell.
69. (NEW) A process of producing a CHL polypeptide comprising culturing the host cell of Claim 66 under suitable conditions to express the CHL polypeptide, and optionally isolating the CHL polypeptide from the culture.
70. (NEW) The process of Claim 69, wherein the vector comprises a sequence of promoter DNA, other than the promoter DNA for a CHL polypeptide that is native to the host cell, operatively linked to the DNA encoding the CHL polypeptide.
71. (NEW) An isolated polynucleotide comprising the nucleotide sequence of the DNA insert in ATCC Deposit No. PTA-963.
72. (NEW) An isolated polynucleotide, comprising a nucleotide sequence that is complementary over the full length of nucleotides 132-1487 of SEQ ID NO:7.
73. (NEW) An isolated polynucleotide, comprising a nucleotide sequence that is complementary over the full length of nucleotides 186-1487 of SEQ ID NO:7.
74. (NEW) An isolated polynucleotide, comprising a nucleotide sequence that is complementary over the full length of nucleotides 195-1487 of SEQ ID NO:7.